

## ABSTRACT

An object of the present invention is to provide a model animal of Parkinson's disease comprising an  $\alpha$ -synuclein gene introduced therein. The present invention provides a transgenic non-human mammal or a portion thereof, wherein an  $\alpha$ -synuclein gene is introduced and the gene is expressed in neurons, and the number of dopamine-producing neurons in the substantia nigra is significantly decreased as compared with that of a wild-type animal.